ABSTRACT OF THE DISCLOSURE

A layer 3 type wireless interconnecting device 4 connected to a LAN backbone line 1 is enabled to exchange packets with wireless terminals 7a~7g via a cable connection type wireless interconnecting device 5, non-cable connection type wireless interconnecting devices 6A and 6B, and these wireless interconnecting devices 4, 5, 6A and 6B each are configured so that, in a case where a received packet is to be transmitted to the wireless terminals 7a~7g belonging thereto, the packet is transmitted with a tag removed when the packet is tagged, while, when the packet is to be transferred, whether or not a VLAN identifier needs to be attached thereto is judged and the packet is transferred with a VLAN identifier attached thereto when necessary, and thereby a wireless VLAN is realized.